

UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Denis Babin

Appl. No.: 10/699,867

Filed: November 4, 2003

For: **Valve Pin Guiding Tip for a Nozzle**

Confirmation No.: 5133

Art Unit: 1722

Examiner: Heitbrink, Timothy W.

Atty. Docket: 2107.2300000

## **Second Supplemental Information Disclosure Statement**

### ***Mail Stop Amendment***

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying IDS Forms are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may

not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- ☐ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☒ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date

of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
  - ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
  - ☒ c. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee.

Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$ \_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:

- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ 5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.
- ☒ 6. English language abstracts of non-English language document FP6, FP10, FP14-FP19 and FP26 appear below in accordance with 37 C.F.R. § 1.98(a)(3). An

language translation of the non-English language document FP5 is also enclosed herewith.

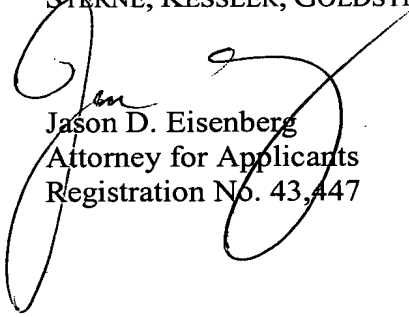
- ☒ 7. Copies of documents FP1-FP27 and NPL1-NPL14 are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents and patent application publications cited on the attached IDS Forms are submitted.
- ☐ 8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
- ☐ 9. It is expected that the examiner will review the prosecution and cited art in the parent application no(s). \_\_\_\_\_ in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

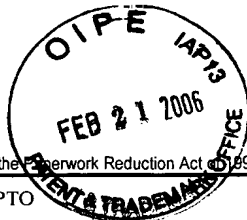
  
Jason D. Eisenberg  
Attorney for Applicants  
Registration No. 43,447

Date:

2-21-06

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600

SKGF\_497083.1



Equivalent of Form PTO/SB/08A (07-05)

Approved for use through 07/31/2006.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>Substitute for form 1449/PTO</b>  <b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/699,867
				Filing Date	November 4, 2003
				First Named Inventor	Robert Sicilia
				Art Unit	1722
				Examiner Name	Heitbrink, Timothy W.
Sheet	1	of	5	Attorney Docket Number	2107.2300000

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	US1	3,677,682	07/18/1972	Putkowski	
	US2	4,053,271	10/11/1977	Gellert	
	US3	4,212,627	07/15/1980	Gellert	
	US4	4,268,240	05/19/1981	Rees <i>et al.</i>	
	US5	4,268,241	05/19/1981	Rees <i>et al.</i>	
	US6	4,279,588	07/21/1981	Gellert	
	US7	4,286,941	09/01/1981	Gellert	
	US8	4,312,630	01/26/1982	Travaglini	
	US9	4,318,686	03/09/1982	Morgan	
	US10	4,330,258	05/18/1982	Gellert	
	US11	4,450,999	05/29/1984	Gellert	
	US12	4,517,453	05/14/1985	Tsutsumi	
	US13	4,652,230	03/24/1987	Osuna-Diaz	
	US14	4,662,837	05/05/1987	Anderson	
	US15	4,787,836	11/29/1988	Osuna-Diaz <i>et al.</i>	
	US16	4,902,218	02/20/1990	Leonard <i>et al.</i>	
	US17	4,950,154	08/21/1990	Moberg	
	US18	4,954,072	09/04/1990	Zimmerman	
	US19	4,981,431	01/01/1991	Schmidt	
	US20	5,030,084	07/09/1991	Gellert <i>et al.</i>	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	FP1	CA 2,082,700	05/13/1994	Gellert		
	FP2	CA 2,190,569	05/18/1998	Gellert		
	FP3	CA 2,261,367	08/08/2000	Gellert <i>et al.</i>		
	FP4	CA 2,358,148	03/04/2003	Olaru		
	FP5	DE 100 08 722 A1	08/30/2001	Ewikon		X
	FP6	DE 100 37 739 A1	02/21/2002	Hilpp <i>et al.</i>		
	FP7	EP 0 590 677 A1	04/06/1994	Schmidt		
	FP8	EP 0 743 158 A1	11/20/1996	Gellert		
	FP9	EP 0 743 158 B1	08/04/1999	Gellert		

SKGF\_484177.1

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO  <b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
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				Filing Date	November 4, 2003
				First Named Inventor	Robert Sicilia
				Art Unit	1722
				Examiner Name	Heitbrink, Timothy W.
Sheet	2	of	5	Attorney Docket Number	2107.2300000

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		Number-Kind Code <sup>2</sup> (if known)			
	US21	5,067,893	11/26/1991	Osuna-Diaz	
	US22	5,135,377	08/04/1992	Gellert	
	US23	5,139,724	08/18/1992	Hofstetter <i>et al.</i>	
	US24	5,141,696	08/25/1992	Osuna-Diaz	
	US25	5,208,228	05/04/1993	Ok <i>et al.</i>	
	US26	5,238,378	08/04/1993	Gellert	
	US27	5,268,184	12/07/1993	Gellert	
	US28	5,269,677	12/14/1993	Gauler	
	US29	5,324,191	05/28/1994	Schmidt	
	US30	5,360,333	11/01/1994	Schmidt	
	US31	5,374,182	12/20/1994	Gessner	
	US32	5,474,439	12/12/1995	McGrevy	
	US33	5,518,393	05/21/1996	Gessner	
	US34	5,569,475	10/29/1996	Adas <i>et al.</i>	
	US35	5,674,439	10/07/1997	Hume <i>et al.</i>	
	US36	5,686,122	11/11/1997	Huntington <i>et al.</i>	
	US37	5,707,667	01/19/1998	Galt <i>et al.</i>	
	US38	5,736,171	04/07/1998	McGrevy	
	US39	5,795,599	08/18/1998	Gellert	
	US40	5,820,899	10/13/1998	Gellert <i>et al.</i>	

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	FP10	EP 0 835 176 B1	04/15/1998	Stern		
	FP11	EP 0 920 969 A1	06/09/1999	Helldin		
	FP12	EP 1 321 274 A1	06/25/2003	EP		
	FP13	GB 1 540 698	02/14/1979	Gellert		
	FP14	JP 06-143358	05/24/1994	Kunio		
	FP15	JP 07-148786	06/13/1995	Yoshihiro		
	FP16	JP 09-123222	05/13/1997	Nakamichi		
	FP17	JP 10-034708	02/10/1998	Satoshi		
	FP18	JP 2002-273768	09/25/2002	Takeda <i>et al.</i>		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

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		Number-Kind Code <sup>2</sup> (if Known)				
	US41	5,871,785	02/16/1999	Van Boekel		
	US42	5,871,786	02/16/1999	Hume <i>et al.</i>		
	US43	5,885,628	03/23/1999	Swenson <i>et al.</i>		
	US44	5,894,025	04/13/1999	Lee <i>et al.</i>		
	US45	5,925,386	07/20/1999	Moberg		
	US46	5,948,450	09/07/1999	Swenson <i>et al.</i>		
	US47	5,955,121	09/21/1999	Gellert <i>et al.</i>		
	US48	5,980,234	11/09/1999	Harley		
	US49	5,980,237	11/09/1999	Swenson <i>et al.</i>		
	US50	5,984,661	11/16/1999	Vorkoper		
	US51	6,022,210	02/08/2000	Gunther		
	US52	6,036,467	03/14/2000	Jameson		
	US53	6,074,195	06/13/2000	Belous		
	US54	6,113,381	09/05/2000	Gellert <i>et al.</i>		
	US55	6,135,757	10/24/2000	Jenko		
	US56	6,143,358	11/07/2000	Singh <i>et al.</i>		
	US57	6,164,945	12/26/2000	Ishikashi <i>et al.</i>		
	US58	6,220,851 B1	04/24/2001	Jenko		
	US59	6,234,783 B1	05/22/2001	Shibata <i>et al.</i>		
	US60	6,254,377 B1	07/03/2001	Kazmer <i>et al.</i>		
FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	FP19	JP 2003-071873	03/12/2003	Yoshihiro		
	FP20	WO 00/48814	08/24/2000	Gellert <i>et al.</i>		
	FP21	WO 01/28750 A1	04/26/2001	Babin <i>et al.</i>		
	FP22	WO 02/40245 A1	05/23/2002	Ciccone		
	FP23	WO 03/028973	04/10/2003	Babin		
	FP24	WO 03/028974	04/10/2003	Olaru		
	FP25	WO 03/086734	10/23/2003	Gellert		
	FP26	WO 97/02129	01/23/1997	Stern		
	FP27	WO 2005/090051	09/29/2005	Zoppas <i>et al.</i>		

Examiner Signature	Date Considered
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**SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
*(Use as many sheets as necessary)*

U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner  
Signature

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Considered

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Substitute for form 1449/PTO

## SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

***Complete if Known***

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## FOREIGN PATENT DOCUMENTS

[illegible]

484177 .DOC

Examiner Signature		Date Considered	
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<b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	10/699,867	
			Filing Date	November 4, 2003	
			First Named Inventor	Robert Sicilia	
			Art Unit	1722	
			Examiner Name	Heitbrink, Timothy W.	
Sheet	1	of	2	Attorney Docket Number	2107.2300000

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	NPL1	Daniel Frenkler and Henry K. Zawistowski - RAPRA Technology Ltd., "Hot Runners in Injection Moulds," 2001.	
	NPL2	Ewikon, Hotrunner Systems for Large Parts, pp. 2-11, 05/2000.	
	NPL3	Ewikon, Hotrunner Systems for the Packaging and Medical Industry, pp. 2-7, 06/2001.	
	NPL4	Ewikon, HPS III Single Tips, 230 V Externally Heated, "HPS III-SE High Performance Single Tips, 230 V With Tip Sealing Technology," pp. 2-9, 03/2002.	
	NPL5	Ewikon, HPS III-VT Nozzles, 230 V Externally Heated, "For Multi-Cavity Applications and Close Cavity Spacing," pp. 2-7, 10/2001.	
	NPL6	Ewikon, HPS III-NV Valve Gate Systems, "All Advantages of the Valve Gate Technology in a Most Compact System," p.209, 10/2001.	
	NPL7	Ewikon, Instruction Manual for Ewikon Hotrunner Systems.	
	NPL8	Ewikon, Product Guide, "Internally Heated Hotrunner Systems," pp. 2-7, 10/2000.	
	NPL9	Hydraulic Injection Molding Machinery, Cincinnati Milacron pamphlet, published F. 1984.	
	NPL10	Husky Injection Molding Systems, S.A., 750 Series.	

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO  <b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
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	NPL11	Images and Information from "Gunther Hotrunner Technology," taken from Gunther website August 2003.	
	NPL12	J.D. Robinson, "Gating and Cooling Techniques for Polypropylene," Plastics, pp. 47-51, August 1965.	
	NPL13	PCT Search Report for PCT/CA03/01154 dated 12-03-2004.	
	NPL14	Redacted letter and attached figure addressed to Mold Masters Limited from the representative of Mr. Maurizio Bazzo dated December 21, 2001.	

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